

IN THE CLAIMS

Please amend the claims as follows:

1. (original) Method of transforming pixel values of a first video signal into respective pixel values of a second video signal, on basis of the luminance-to-light transfer characteristic of a display device, comprising:
 - band-splitting the first video signal into a first high-frequent signal and a first low-frequent signal;
 - transforming the first high-frequent signal into a second high-frequent signal on basis of a first transfer function;
 - transforming the first low-frequent signal into a second low-frequent signal on basis of a second transfer function which is different from the first transfer function; and
 - combining the second high-frequent signal and the second low-frequent signal into the second video signal.
2. (original) A method as claimed in claim 1, characterized in that the first transfer function is substantially equal to the inverse of the luminance-to-light transfer characteristic of the display device.
3. (original) A method as claimed in claim 1, characterized in that the first transfer function is substantially equal to the

inverse of a combination of a pre-correction function in a video source from which the first video signal originates and the luminance-to-light transfer characteristic of the display device.

4. (currently amended) A method as claimed in ~~any of the claims above~~claim 1, characterized in that the second transfer function is based on the first video signal.

5. (original) A method as claimed in claim 2, characterized in that the second transfer function is substantially equal to the inverse of a pre-correction function in a video source from which the first video signal originates.

6. (currently amended) A method as claimed in ~~any of the claims above~~claim 1, characterized in that the second transfer function is based on a predetermined contrast enhancement as required by a viewer.

7. (currently amended) A method as claimed in ~~any of the claims above~~claim 1, characterized in comprising

- splitting the first video signal into a first horizontal high-frequent signal, a first vertical high-frequent signal and the first low-frequent signal;
- transforming the first horizontal high-frequent signal

into a second horizontal high-frequent signal on basis of the first transfer function;

- transforming the first vertical high-frequent signal into a second vertical high-frequent signal on basis of a third transfer function which is different from the first transfer function; and
- combining the second horizontal high-frequent signal, the second vertical high-frequent signal and the second low-frequent signal into the second video signal.

8. (original) An image-processing unit for transforming pixel values of a first video signal into respective pixel values of a second video signal, on basis of the luminance-to-light transfer characteristic of a display device, comprising:

- a band-split filter for band-splitting the first video signal into a first high-frequent signal and a first low-frequent signal;
- a first pixel value transformation unit for transforming the first high-frequent signal into a second high-frequent signal on basis of a first transfer function;
- a second pixel value transformation unit for transforming the first low-frequent signal into a second low-frequent signal on basis of a second transfer function which is different from the first transfer function; and
- a combining unit for combining the second high-frequent

signal and the second low-frequent signal into the second video signal.

9. (original) An image-processing apparatus comprising:

- a receiving unit for receiving a first video signal; and
- the image-processing unit as claimed in claim 7.

10. (original) An image-processing apparatus as claimed in claim 8, characterized in comprising the display device for displaying images on basis of the second video signal.

11. (original) A TV comprising the image-processing apparatus as claimed in claim 10.

12. (original) An image-processing apparatus as claimed in claim 10, characterized in that the image-processing apparatus is a monitor to be connected to a computer.